

Bagging predictors

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Y Freund

L Breiman

R Schapire S Dudoit E Bauer

# Bagging Predictors - group of 49 »

L Breiman - Machine Learning, 1996 - Springer

... Editor: Ross Quinlan Abstract. Bagging predictors is a method for generating multiple versions of a predictor and using these to get an aggregated predictor. ...

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## [CITATION] Bagging predictors

L Brieman - Machine Learning, 1996

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# Balancing between bagging and bumping - group of 2 »

T Heskes - Advances in Neural Information Processing Systems, 1997 - citeseer.ist.psu.edu ... Correct) Related documents from co-citation: More All 5: An Introduction to the Bootstrap (context) - Efron, Tibshirani - 1993 5: Bagging Predictors - Breiman 3 ... Cited by 26 - Related Articles - Cached - Web Search - BL Direct

#### [PS] Bagging, boosting, and C4. 5 - group of 19 »

JR Quinlan - Proceedings of the Thirteenth National Conference on ..., 1996 - mpa.itc.it ... set can cause signicant changes in the predictor con- structed ... Breiman also notes that \poor predictors can be transformed into worse ones" by bagging. ... Cited by 476 - Related Articles - View as HTML - Web Search - BL Direct

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# Comparison of Discrimination Methods for the Classification of Tumors Using Gene Expression Data. - group of 31 »

S Dudoit, J Fridlyand, TP Speed - Journal of the American Statistical Association, 2002 - questia.com ... rate of 0. Note that in contrast to the aggregated predictors in bagging and boosting ... of it to multiple classes is the standard DLDA predictor, which was ... Cited by 532 - Related Articles - Web Search - BL Direct

#### [PS] Out-of-bag estimation - group of 3 »

L Breiman - Unpublished manuscript, 1998 - stat-ftp.berkeley.edu ... Abstract In bagging, predictors are constructed using bootstrap samples from the training set and then aggregated to form a bagged predictor. ... Cited by 59 - Related Articles - View as HTML - Web Search

## Bagging Binary and Quantile Predictors for Time Series - group of 4 »

TH Lee, Y Yang - manuscript, UC-Riverside, 2004 - econ.ubc.ca ... predictors to training samples. Why does bagging work? Bagging constructs a predictor by averaging predictors trained on bootstrap samples. ... Cited by 6 - Related Articles - View as HTML - Web Search

# An empirical evaluation of bagging and boosting - group of 3 »

R Maclin, D Opitz - Proceedings of the Fourteenth National Conference on ..., 1997 - cs.uu.nl ... Breiman, L. 1996a. Bagging predictors. Machine Learning 24(2):123{140.



Boosting prediction

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#### **All Results**

R Schapire

Y Freund

Y Singer

J Friedman

S Dudoit

# Improved Boosting Algorithms Using Confidence-rated Predictions - group of 8 »

RE Schapire, Y Singer - Machine Learning, 1999 - Springer

... The idea of boosting is to use the weak learner to form a highly accurate prediction

rule by calling the weak learner repeatedly on different distributions ...

Cited by 722 - Related Articles - Web Search - BL Direct

### A decision-theoretic generalization of on-line learning and an application to **boosting** - group of 52 »

Y Freund, RE Schapire - Journal of Computer and System Sciences, 1997 - iria.math.pku.edu.cn

... In Section 5, we give two extensions of our boosting algo- rithm to multi-class prediction problems in which each examplebelongs to one of several possible ...

Cited by 1732 - Related Articles - Web Search - BL Direct

#### Game theory, on-line prediction and boosting - group of 15 »

Y Freund, RE Schapire - Proceedings of the ninth annual conference on Computational ..., 1996 portal.acm.org

Page 1, Game Theory, On-line Prediction and Boosting ... att.com Abstract We study the close connections between game the- ory, on-line prediction and boosting. ...

Cited by 118 - Related Articles - Web Search

### Comparison of Discrimination Methods for the Classification of Tumors Using Gene Expression Data. - group of 31 »

S Dudoit, J Fridlyand, TP Speed - Journal of the American Statistical Association, 2002 - questia.com ... plots of the proportions of correct classifications and three number summaries (median, lower, and upper quartiles) of the boosting prediction votes (PVs) and ...

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## [PS] A brief introduction to **boosting** - group of 36 »

RE Schapire - Proceedings of the Sixteenth International Joint Conference ..., 1999 - cs.dartmouth.edu ... of the margin can be interpreted as a measure of condence in the prediction. ... that this bound is entirely independent of T, the number of rounds of boosting. ... Cited by 278 - Related Articles - View as HTML - Web Search - BL Direct

A short introduction to **boosting** - group of 32 »

Y Freund, RE Schapire - Journal of Japanese Society for Artificial Intelligence, 1999 - 140.109.73.167 ... Second, once he has collected many rules of thumb, how can they be combined into a single, highly accurate prediction rule? Boosting refers to a general and ... Cited by 238 - Related Articles - View as HTML - Web Search - BL Direct

#### The boosting approach to machine learning: An overview - group of 24 »

RE Schapire - MSRI Workshop on Nonlinear Estimation and Classification, 2002 - stat.haifa.ac.il ... algorithm generates a new weak prediction rule, and after many rounds, the boosting algorithm must combine these weak rules into a single prediction rule that ... Cited by 246 - Related Articles - View as HTML - Web Search - BL Direct

#### BoosTexter: A **Boosting**-based System for Text Categorization - group of 15 »

RE Schapire, Y Singer - Machine Learning, 2000 - Springer

... A BOOSTING-BASED SYSTEM FOR TEXT CATEGORIZATION 139 ... of the weak learner is a hypothesis h:  $X \times Y \rightarrow R$ . We interpret the sign of h(x,) as a prediction as to ...

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